0004

ACT/015/032
F. #2

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

January 25, 1988

Mr. Andrew C. King
Genwal Coal Company
P.O. Box 1201
Huntington, UT 84528

Dear Mr. King:

Re: United States Forest Service (USFS) Response to Mid-Permit Term Conditions, December 3, 1987 Submittal, Crandall Canyon Mine, Genwal Coal Company, ACT/015/032, Folder No. 2, Emery County, Utah

The Division has received comments from the Manti-LaSal Forest Service concerning your latest submittal, which addresses approved condition UMC 817.43-(1-2)-RPS/DC. In responding to these concerns, will you please deal directly with Forest Service personnel. The Division would then appreciate a letter be sent to us from the Forest Service, showing the appropriate documentation of your response to the Mid-Permit Term Conditions.

Sincerely,

Susan C. Linner
Permit Supervisor/
Reclamation Biologist

jr
Enclosure
cc: W. Boley - Forest Service
J. Leatherwood
1342R/29

United States Department of Agriculture | Forest Service | Manti-LaSal National Forest | 599 West Price River Drive Price, Utah 84501

Reply to: 2820

Date: January 14, 1988

Lowell Braxton
State of Utah Natural Resoruces
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Lowell:

We have reviewed Response to Mid-Permit Term Conditions, December 3, 1987, Submittal, Crandall Canyon Mine, Genwal Coal Co., ACT/015/032, Emery County, Utah.

As discussed with Kent Wheeler on the telephone, the energy dissipator basin was designed assuming a scour hole at a pipe outlet. The energy dissipator should have been designed as a basin to contain a hydraulic jump forced near the change from a steep slope to a mild slope. The basin and riprap sizes determined for a scour hole in this case are, however, adequate for the expected hydraulic jump.

The energy dissipator, as designed, is adequate and can be approved, however, the calculations should be revised to show proper design criteria considering the hydraulic jump.

Sincerely,

W. H. Boley

WILLIAM H. BOLEY
Acting Forest Supervisor